

Form PTO-1449 (modified)

Atty. Docket No.
INRP:050USC1Serial No.
10/784,538

List of Patents and Publications for Applicant's

Applicant
Jack Roth *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
February 23, 2004Group:
1632U.S. Patent Documents
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
I	A16	5,366,737	11/22/94	Eppstein <i>et al.</i>	424	450	2/10/93
I	A17	5,399,346	3/21/95	Anderson <i>et al.</i>	424	93.21	3/30/94
I	A18	6,410,010	6/25/02	Zhang and Roth	424	93.2	10/29/93

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
I	B27	0510691	10/28/92	Europe			English
I	B28	2688514	9/17/93	France			Abstract
I	B29	WO 93/10814	6/10/93	PCT			English
I	B30	WO 93/22443	11/11/93	PCT			English

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
I	C267	Baker <i>et al.</i> , "Chromosome 17 Deletions and p53 Gene Mutations in Colorectal Carinomas," <i>Science</i> , 244:217-221, 1989.
I	C268	Culver, <i>et al.</i> , "In Vivo Gene Transfer with Retroviral Vector-Producer Cells for Treatment of Experimental Brain Tumors," <i>Science</i> , 256:1550-1552, 1992.
I	C269	Nguyen <i>et al.</i> , "Gene therapy for lung cancer: enhancement of tumor suppression by a combination of sequential systemic cisplatin and adenovirus-mediated p53 gene transfer," <i>J. Thoracic and Cardiovascular Surgery</i> , 112(5):1372-1377, 1996.
I	C270	Parsons <i>et al.</i> , <i>J. Heterocyclic Chem.</i> , 25:911-914, 1988.
I	C271	Rubin, <i>Cancer: Principles and Practice of Oncology</i> , 4 th ED. Chapter 16, 276-286, Lippincott-Raven, NY, 1993.
I	C272	Shimizu <i>et al.</i> , "Structure of the Ki-ras Gene of the Human Lung Carcinoma Cell Line Calu-1," <i>Nature</i> , 304:497-500, 1983.

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EXAMINER:

JAMES KETTER

PRIMARY EXAMINER

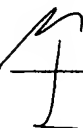
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Form PTO-1449 (modified)		Atty. Docket No. INRP:050USC1	Serial No. 10/784,538
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Jack Roth <i>et al.</i>	
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C273	Smith <i>et al.</i> , "Adenovirus mediated expression of therapeutic plasma levels of human factor IX in mice," <i>Nature Genetics</i> , 5:397-402, 1993.
	C274	Stone <i>et al.</i> , "Reversible, p16-mediated cell cycle arrest as protection from chemotherapy," <i>Cancer Res.</i> , 56(14):3199-3202, 1996.

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	4,740,463	04/26/88	Weinberg <i>et al.</i>			
	A2	4,920,209	4/24/90	Davis <i>et al.</i>	435	235	
	A3	4,980,289	12/25/90	Temin <i>et al.</i>			
	A4	5,055,400	10/08/91	Lo <i>et al.</i>			
	A5	5,166,320	11/24/92	Wu <i>et al.</i>			
	A6	5,252,479	10/12/93	Srivastava			
	A7	5,328,470	07/12/94	Nabel <i>et al.</i>			
	A8	5,362,623	11/08/94	Vogelstein <i>et al.</i>	435	6	
	A9	5,496,731	3/5/96	Xu, <i>et al.</i>	435	320.1	
	A10	5,527,676	6/18/96	Vogelstein <i>et al.</i>	435	6	
	A11	5,532,220	07/02/96	Lee <i>et al.</i>			
	A12	5,585,362	12/17/96	Wilson <i>et al.</i>	514	44	
	A13	5,747,469	05/05/98	Roth <i>et al.</i>			
	A14	5,932,210	8/3/99	Gregory <i>et al.</i>	424	93.2	
	A15	6,090,566	07/18/00	Vogelstein <i>et al.</i>	435	7.23	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	* 04-009338	1/14/92	Japan			
	B2	* 8-508879	9/24/96	Japan			
	B3	* EP 0174608	09/05/85	Europe			
	B4	* EP 0351585	06/23/89	Europe			
	B5	* EP 0390323	10/03/90	Europe			

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	B7	X FR 2688514	09/17/93	France			
	B8	X WO 90/05180	5/17/90	PCT			
	B9	X WO 90/10448	09/29/90	PCT			
	B10	X WO 91/15580	10/17/91	PCT			
	B11	X WO 93/03769	03/04/93	PCT			
	B12	X WO 93/19191	9/30/93	PCT			
	B13	X WO 93/25224	12/23/93	PCT			
	B14	X WO 94/06910	3/31/94	PCT			
	B15	X WO 94/08026	04/14/94	PCT			
	B16	X WO 94/10323	05/11/94	PCT			
	B17	X WO 94/18992	9/1/94	PCT			
	B18	X WO 94/24297	10/27/94	PCT			
	B19	X WO 94/26914	11/24/94	PCT			
	B20	X WO 95/02697	01/26/95	PCT			
	B21	X WO 95/11301	4/27/95	PCT			
	B22	X WO 95/11984	5/4/95	PCT			
	B23	X WO 95/14101	5/26/95	PCT			
	B24	X WO 95/14102	5/26/95	PCT			
	B25	X WO 95/23867	9/8/95	PCT			
	B26	X WO 95/30002	11/09/95	PCT			

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
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	C1 *	Anderson, "Human Gene Therapy," <i>Nature</i> , 392:25-30, April 30, 1998.
	C2 *	Bacchetti <i>et al.</i> , "Inhibition of cell proliferation by an adenovirus vector expressing the human wild type p53 protein," <i>Int. J. Oncol.</i> , 3(5):781-788, 1993.
	C3 *	Baker <i>et al.</i> , "Suppression of human colorectal carcinoma cell growth by wild-type p53", <i>Science</i> , 249:912-915, 1990.
	C4 *	Baker <i>et al.</i> , "p53 Gene Mutations Occur in Combination with 17p Allelic Deletions as Late Events in Colorectal Tumorigenesis," <i>Cancer Research</i> , 50:7717-7722, December 1990.
	C5 *	Bandyopadhyay and Temin, "Expression of complete chicken thymidine kinase gene inserted in a retrovirus vector," <i>Mol. Cell. Biol.</i> , 4(4):749-754, 1984.
	C6 *	Bargonetti <i>et al.</i> , "Wild-type but not mutant p53 immunopurified proteins bind to sequences adjacent to the SV40 origin of replication," <i>Cell</i> , 65:1083-1091, 1991.
	C7 *	Berkner, "Development of adenovirus vectors for the expression of heterologous genes", <i>BioTechniques</i> , 6(7):616-629, 1988.
	C8 *	Blenis, "Signal transduction via the MAP kinases: Proceed at your own RISK", <i>Proc. Natl. Acad. Sci. USA</i> , 90:5889-5892, 1993.
	C9 *	Bowtell <i>et al.</i> , "Comparison of expression in hemopoietic cells by retroviral vectors carrying two genes," <i>J. Virol.</i> , 62(7):2464-2473, 1988.
	C10 *	Brachman <i>et al.</i> , "p53 mutation does not correlate with radiosensitivity in 24 head and neck cancer cell lines", <i>Cancer Res.</i> , 53:3667-3669, 1993.
	C11 *	Brown <i>et al.</i> , "Increased accumulation of p53 protein in cisplatin-resistant ovarian cell lines," <i>Int. J. Cancer</i> , 55:678-684, 1993.
	C12 *	Brown <i>et al.</i> , "Mutant p53 confers cisplatin-sensitivity to resistant ovarian tumour cells with elevated wild-type p53," <i>Proc. Am. Assoc. Cancer Res.</i> , 34:355, Abstract #2116, 1993.
	C13 *	Cai <i>et al.</i> , "Stable expression of the wild-type p53 gene in human lung cancer cells after retrovirus-mediated gene transfer," <i>Hum. Gene Ther.</i> , 4:617-24, 1993.
	C14 *	Capecchi, "Altering the genome by homologous recombination", <i>Science</i> , 244:1288-1292, 1989.
	C15 *	Carter <i>et al.</i> , "Adenovirus Containing a Deletion of the Early Region 2A Gene Allows Growth of Adeno-Associated Virus with Decreased Efficiency," <i>Virology</i> , 191:473-476, 1992.

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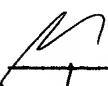
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	C16 *	Casey <i>et al.</i> , "Growth suppression of human breast cancer cells by the introduction of a wild-type p53 gene," <i>Oncogene</i> , 6:1791-1797, 1991.
	C17 *	Casson <i>et al.</i> , "p53 gene mutations in Barrett's epithelium and esophageal cancer," <i>Cancer Res.</i> , 51:4495-4499, 1991.
	C18 *	Chang <i>et al.</i> , "Inhibition of intratracheal lung cancer development by systemic delivery of E1A," <i>Oncogene</i> , 13:1405-1412, 1996.
	C19 *	Chang <i>et al.</i> , "Restoration of the G1 Checkpoint and the Apoptotic Pathway Mediated by Wild-type p53 Sensitizes Squamous Cell Carcinoma of the Head and Neck to Radiotherapy," <i>Arch Otolaryngol Head Neck Surg.</i> , 123:507-512, 1997.
	C20 *	Chen <i>et al.</i> , "Expression of wild-type p53 in human A673 cells suppresses tumorigenicity but not growth rate," <i>Oncogene</i> , 6:1799-1805, 1991.
	C21 *	Chen <i>et al.</i> , "Genetic mechanisms of tumor suppression by the human p53 gene," <i>Science</i> , 250:1576-1580, 1990.
	C22 *	Cheng <i>et al.</i> , "Suppression of acute lymphoblastic leukemia by the human wild-type p53 gene," <i>Cancer Res.</i> , 52:222-226, 1992.
	C23 *	Clarke <i>et al.</i> , "Thymocyte apoptosis induced by p53-dependent and independent pathways," <i>Nature</i> , 362:849-852, 1993.
	C24 *	Coleman <i>et al.</i> , "Radiation and chemotherapy sensitizers and protectors", <i>Critical Reviews In Oncology/Hematology</i> , 10(Issue 3):225-252, 1990.
	C25 *	Colicos <i>et al.</i> , "Construction of a recombinant adenovirus containing the <i>denV</i> gene from bacteriophage T4 which can partially restore the DNA repair deficiency in xeroderma pigmentosum fibroblasts," <i>Carcinogenesis</i> , 12(2):249-255, 1991.
	C26 *	Comings, "A general theory of carcinogenesis," <i>Proc. Natl. Acad. Sci. USA</i> , 70(12-Part I):3324-3328, 1973.
	C27 *	Conroy, "New gene therapy cleared for use against lung cancer," <i>Biotech Daily</i> , pp. 3-4, 1992.
	C28 *	Co-pending U.S. Patent Application Serial No. 07,665,538, filed March 6, 1991 (UTSC:171).
	C29 *	Co-pending U.S. Patent Application Serial No. 08/145,826, filed October 29, 1993 (INRP:005).
	C30 *	Copies of slides from presentation by Jack A. Roth on September 19, 1996.

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	C31 *	Crown <i>et al.</i> , "High-intensity chemotherapy with hematopoietic support in breast cancer," <i>Annals of the New York Academy of Sciences</i> , 698:378-388, 1993.
	C32 *	Culver <i>et al.</i> , "In vivo gene transfer with retroviral vector-producer cells for treatment of experimental brain tumors", <i>Science</i> , 256:1550-1552, 1992.
	C33 *	Cureil <i>et al.</i> , "High-efficiency gene transfer mediated by adenovirus coupled to DNA-polylysine complexes," <i>Human Gene Therapy</i> , 3:147-154, 1992.
	C34 *	Davidson <i>et al.</i> , "A model system for in vivo gene transfer into the central nervous system using adenoviral vector," <i>Nature Genetics</i> , 3:219-223, 1993.
	C35 *	Debus <i>et al.</i> , <i>J. Cancer Res. Clin. Oncol.</i> , 116(Suppl Part 1):5-162, Abstract # A2.037.09, 1990.
	C36 *	Delauney <i>et al.</i> , "A stable bifunctional antisense transcript inhibiting gene expression in transgenic plants," <i>Proc. Natl. Acad. Sci. USA</i> , 85:4300-4304, 1988.
	C37 *	Dialog Search Report dated September 22, 1992.
	C38	Dialog Search Reports dated August 7, 1992 and February 26, 1993.
	C39 *	Diller <i>et al.</i> , "p53 functions as a cell cycle control protein in osteosarcomas," <i>Molec. Cell. Biol.</i> , 10(11):5772-5781, 1990.
	C40 *	Donehower, "Tumor suppressor gene p53 and apoptosis," <i>Cancer Bull.</i> , 46(2):161-166, 1994.
	C41 *	Dorigo <i>et al.</i> , "Sensitization of rat glioblastoma multiforme to cisplatin in vivo following restoration of wild-type p53 function," <i>J. Neurosurg.</i> , 88:535-540, 1998.
	C42 *	Eaves <i>et al.</i> , "The biology of normal and neoplastic stem cells in CML," Chronic Myeloid Leukemia, 2 nd Int'l Conference, Bologna, Italy, October 4-7, 1992. From <i>Leukemia and Lymphoma</i> , 11:245-253 (1993).
	C43 *	El Rouby <i>et al.</i> , "p53 gene mutation in B-cell chronic lymphocytic leukemia is associated with drug resistance and is independent of MDR1/MDR3 gene expression," <i>Blood</i> , 82(11):3452-3459, 1993.
	C44 *	El-Deiry <i>et al.</i> , "WAF1, a potential mediator of p53 tumor suppression," <i>Cell</i> , 75:817-825, 1993.
	C45 *	Eliyahu <i>et al.</i> , "p53 - A potential suppressor gene?" <i>J. Cell. Biochem.</i> , UCLA Symposia on Molecular and Cellular Biology, Abstracts, 19 th Annual Meeting, Supplement 14C:264, #I 030, 1990.

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	C46 *	Eliyahu <i>et al.</i> , "Meth A Fibrosarcoma Cells Express Two Transforming Mutant p53 Species," <i>Oncogene</i> , 3:313-321, 1988.
	C47 *	Eliyahu <i>et al.</i> , "Wild-type p53 Can Inhibit Oncogene-Mediated Focus Formation," <i>Proc. Nat. Acad. Sci. USA</i> , 85:8763-8767, November 1989.
	C48 *	Fan <i>et al.</i> , "p53 gene mutations are associated with decreased sensitivity of human lymphoma cells to DNA damaging agents," <i>Cancer Res.</i> , 54(22):5824-5830, 1994.
	C49 *	Fan <i>et al.</i> , "The role of p53 in cell cycle arrest and apoptosis induced by multiple chemotherapeutic agents in Burkitt's lymphoma cells," <i>Proc. Am. Assoc. Cancer Res.</i> , 35:311, Abstract #1851, 1994.
	C50 *	Federal Register, 47(56):pp. Title - VI and i-iv, March 23, 1982.
	C51 *	Feig <i>et al.</i> , "Somatic activation of <i>ras</i> ^K gene in a human ovarian carcinoma", <i>Science</i> , 223:698-701, 1984.
	C52 *	Felgner <i>et al.</i> , "Lipfection: a highly efficient, lipid-mediated DNA-transfection procedure," <i>Proc. Natl. Acad. Sci. USA</i> , 84:7413-7417, 1987.
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	C55 *	Foreman <i>et al.</i> , <i>Bone Marrow Transplant.</i> , 4(3), 1990.
	C56 *	Fornace, Jr. "Induction by radiation of mammalian genes associated with growth-arrest and apoptosis, and the role for the p53 tumor suppressor in their regulation," <i>Proc. Am. Assoc. Cancer Res.</i> , 35:681-682, 1994.
	C57 *	Fox, "Investigation of gene therapy begins," <i>Nature Biotechnology</i> , 18:143-144, 2000.
	C58 *	Friedmann, "Gene therapy of cancer through restoration of tumor-suppressor functions?," <i>Cancer Suppl.</i> , 70(6):1810-1817, 1992.
	C59 *	Fritsche <i>et al.</i> , "Inhibition of cell proliferation by an adenovirus vector expressing the human wild type p53 protein," <i>Int. J. Oncology</i> , 3:781-785, 1993.

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	C60 *	Fritsche <i>et al.</i> , "Induction of nuclear accumulation of the tumor-suppressor protein p53 by DNA-damaging agents," published erratum, <i>Oncogene</i> , 8(9):2605, 1993.
	C61 *	Fujiwara <i>et al.</i> , "Induction of chemosensitivity in human lung cancer cells <i>in vivo</i> by adenovirus-mediated transfer of the wild-type p53 gene," <i>Cancer Res.</i> , 54:2287-2291, 1994.
	C62 *	Fujiwara <i>et al.</i> , "Induction of chemosensitivity in human lung cancer cells <i>in vivo</i> by adenovirus-mediated transfer of the wild-type p53 gene," <i>Surgical Forum</i> , 45:524-526, 1994.
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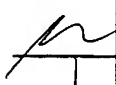
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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

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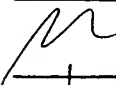
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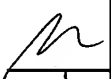
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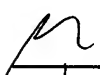

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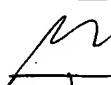

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)